

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 04144712 A

(43) Date of publication of application: 19.05.1992

(51) Int. Cl. B29B 11/16
 B29B 13/02, B29B 15/10, B29C 43/02
 // B29K101:10, B29K105:08, B29L 7:00

(21) Application number: 02268844
 (22) Date of filing: 05.10.1990

(71) Applicant: SATO KUSUO
 (72) Inventor: SATO KUSUO

(54) **REINFORCED PLASTIC SHEET FOR
 MOLDING AND ITS MOLDING AND WORKING
 METHOD**

(57) Abstract:

PURPOSE: To improve remarkably the mechanical strength such as tensile strength and bending strength, etc., by a method in which a sheet is formed into cloth-shape by two dimensional fabric or three dimensional fabric of fiber stock and the cloth is impregnated with thermosetting resin and is preheated to a state B.

CONSTITUTION: A base sheet 1 is formed by weaving the filament of the reinforcing fiber stock such as carbon fiber or glass fiber, etc., into cloth shape, and the base sheet 1 is impregnated with thermosetting resin 2 such as polyester, epoxy, phenol and is preheated to a state B. This reinforced plastic sheet for molding is pressed under heating by the press with reduced speed. Since the filament of reinforcing fiber stock constituting the base sheet 1 is woven longitudinally and transversely and is formed into cloth-shape, its is

not broken even under quickly folding stress in pressing. Even in the case of relatively thin sheet material, the molded object with uneven complicated and curved surface and various shapes may be molded easily and continuously.

COPYRIGHT: (C)1992,JPO&Japio

